STIC Search Report
Biotech-Chem Library

STIC Database Tracking Number: 153470

TO: Rei-Tsang Shiao **Location: 5a10 / 5c18** **Monday, May 16, 2005** **Art Unit: 1626** **Phone: 571-272-0707** **Serial Number: 10 / 659193**	**From: Jan Delaval** **Location: Biotech-Chem Library** **Remsen 1a51** **Phone: 571-272-2504** **jan.delaval@uspto.gov**

Search Notes

Jan Reland for search

Access DB# 153470

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Robert (Kathy) Shaw Examiner #: 79521 Date: 5/16/05

Art Unit: 1626 Phone Number 2-0707 Serial Number: 10/659,193

Mail Box and Bldg/Room Location: 5A10/5C18 Results Format Preferred (circle): PAPER DISK E-MAIL

MEJ

If more than one search is submitted, please prioritize searches in order of need.

****

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

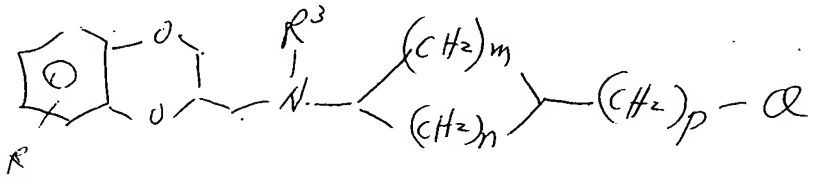
Title of invention: Antidepressant cyclic/Xylamine derivatives

Inventors (please provide full names): Evrard et al

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

I. Search qpaz



* 1. Q is sub. ie. aryl, heteroaryl, heterocycle

2. R3 is sub

3. m, n is 1~3. p is 0 to 3.

II methods of use of qpaz.

****

STAFF USE ONLY

Searcher _____

Searcher Phone #: 2504

Searcher Location: _____

Date Searcher Picked Up 5/16/05

Date Completed 5/16/05

Searcher Prep & Review Time _____

Clerical Prep Time: 15

Online Time T10

Type of Search

NA Sequence (#) _____

AA Sequence (#) _____

Structure (#) V

Bibliographic _____

Litigation _____

Fulltext _____

Patent Family _____

Other _____

Vendors and cost where applicable

STN ✓

Dialog _____

Questel/Orbit _____

Dr.Link _____

Lexis/Nexis _____

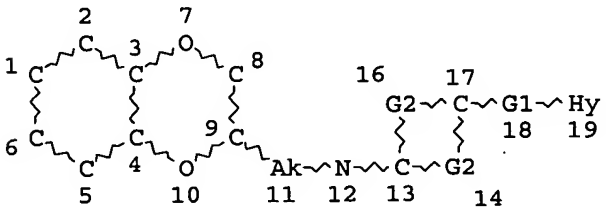
Sequence Systems _____

WWW/Internet _____

Other (specify) _____

PTO-1590 (8-01)

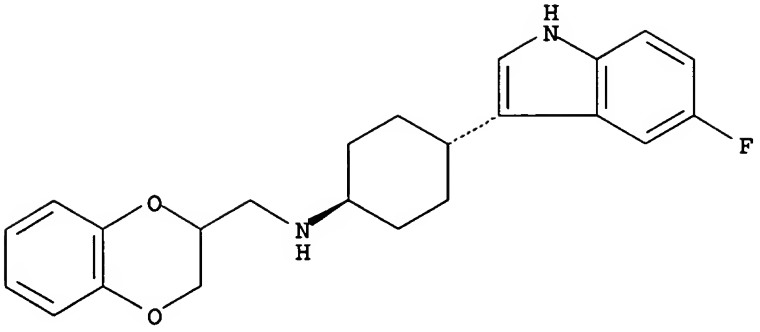
```
=> fil reg
FILE 'REGISTRY' ENTERED AT 13:48:53 ON 16 MAY 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   15 MAY 2005  HIGHEST RN 850445-20-4
DICTIONARY FILE UPDATES:  15 MAY 2005  HIGHEST RN 850445-20-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

*************************************************************************
*                                                                       *
* The CA roles and document type information have been removed from     *
* the IDE default display format and the ED field has been added,       *
* effective March 20, 2005.  A new display format, IDERL, is now        *
* available and contains the CA role and document type information.     *
*                                                                       *
*************************************************************************

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> d sta que l14
L8                STR
```




```
REP G1=(0-1) AK
REP G2=(1-3) C
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  18

STEREO ATTRIBUTES: NONE
L10           92 SEA FILE=REGISTRY SSS FUL L8
L11           44 SEA FILE=REGISTRY ABB=ON  PLU=ON  L10 AND (NC4-C6 OR OC4-C6 OR
                 SC4-C6)/ES
L12           44 SEA FILE=REGISTRY ABB=ON  PLU=ON  L11 AND (C4 OR C5 OR C6 OR
                 C7 OR C8)/ES
```

```
L13          26 SEA FILE=REGISTRY ABB=ON  PLU=ON  L12 NOT OC2OC2-C6/ES
L14          18 SEA FILE=REGISTRY ABB=ON  PLU=ON  L12 NOT L13


=> d his

     (FILE 'HOME' ENTERED AT 13:40:23 ON 16 MAY 2005)
               SET COST OFF

     FILE 'HCAPLUS' ENTERED AT 13:40:30 ON 16 MAY 2005
L1            1 S US20040127543/PN OR (US2003-659193# OR WO2003-US28296 OR US20
               E EVRARD D/AU
L2           42 S E3,E4,E8-E10
               E SHAH U/AU
               E URESH/AU
               E SHANTILAL/AU
               E STACK G/AU
L3          101 S E3,E6,E11,E12
               E SHAH U/AU
L4           40 S E3,E6,E22-E24
               E WYETH/PA,CS
L5         4356 S E3,E4 OR WYETH?/PA,CS
               SEL RN L1

     FILE 'REGISTRY' ENTERED AT 13:43:17 ON 16 MAY 2005
L6           36 S E1-E36
L7           16 S L6 AND NR>=5
L8              STR
L9            0 S L8
L10          92 S L8 FUL
               SAV L10 SHIAO659/A
L11          44 S L10 AND (NC4-C6 OR OC4-C6 OR SC4-C6)/ES
L12          44 S L11 AND (C4 OR C5 OR C6 OR C7 OR C8)/ES
L13          26 S L12 NOT OC2OC2-C6/ES
L14          18 S L12 NOT L13
L15           2 S L14 NOT L7
L16          18 S L7,L14,L15
               SAV L16 SHIAO659A/A
L17          74 S L10 NOT L16

     FILE 'HCAOLD' ENTERED AT 13:48:11 ON 16 MAY 2005
L18           0 S L16

     FILE 'HCAPLUS' ENTERED AT 13:48:14 ON 16 MAY 2005
L19           2 S L16
L20           2 S L19 AND L1-L5

     FILE 'USPATFULL, USPAT2' ENTERED AT 13:48:34 ON 16 MAY 2005
L21           1 S L16

     FILE 'REGISTRY' ENTERED AT 13:48:53 ON 16 MAY 2005

=> d ide can tot l16

L16  ANSWER 1 OF 18  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   848072-03-7  REGISTRY
ED   Entered STN:  07 Apr 2005
CN   1,4-Benzodioxin-2-methanamine, N-[trans-4-(5-fluoro-1H-indol-3-
     yl)cyclohexyl]-2,3-dihydro- (9CI)  (CA INDEX NAME)
FS   STEREOSEARCH
MF   C23 H25 F N2 O2
SR   CA
LC   STN Files:   CA, CAPLUS
```

Relative stereochemistry.



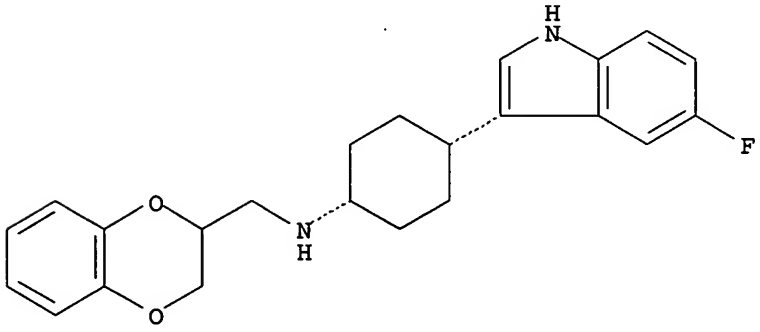
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 142:309195

L16 ANSWER 2 OF 18 REGISTRY COPYRIGHT 2005 ACS on STN
RN 848072-02-6 REGISTRY
ED Entered STN: 07 Apr 2005
CN 1,4-Benzodioxin-2-methanamine, N-[cis-4-(5-fluoro-1H-indol-3-yl)cyclohexyl]-2,3-dihydro- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C23 H25 F N2 O2
SR CA
LC STN Files: CA, CAPLUS

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

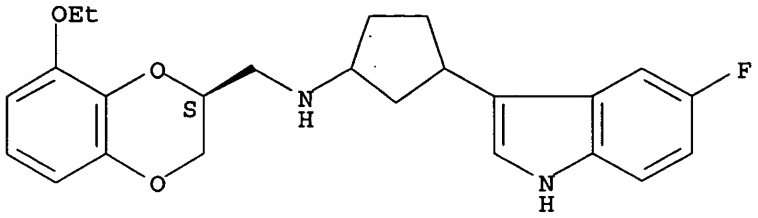
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 142:309195

L16 ANSWER 3 OF 18 REGISTRY COPYRIGHT 2005 ACS on STN
RN **675831-76-2** REGISTRY
ED Entered STN: 16 Apr 2004
CN 1,4-Benzodioxin-2-methanamine, 8-ethoxy-N-[3-(5-fluoro-1H-indol-3-

yl)cyclopentyl]-2,3-dihydro-, (2S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C24 H27 F N2 O3
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



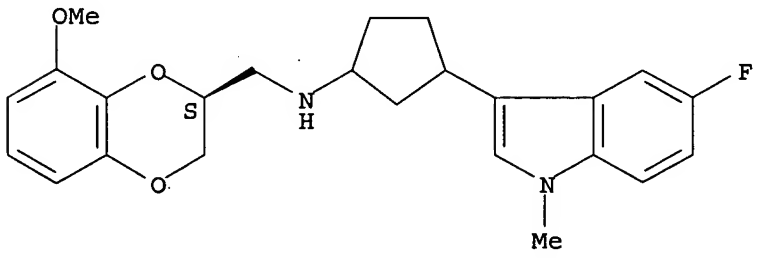
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:287394

L16 ANSWER 4 OF 18 REGISTRY COPYRIGHT 2005 ACS on STN
RN **675831-75-1** REGISTRY
ED Entered STN: 16 Apr 2004
CN 1,4-Benzodioxin-2-methanamine, N-[3-(5-fluoro-1-methyl-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, (2S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C24 H27 F N2 O3
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

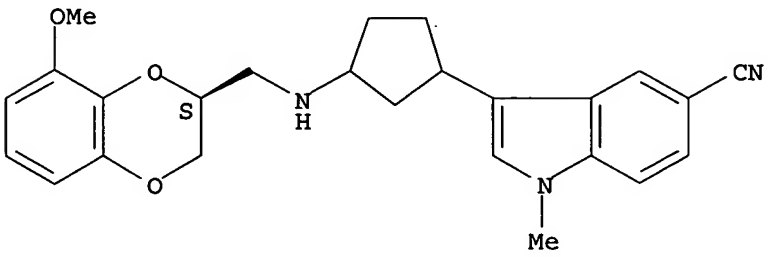
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:287394

L16 ANSWER 5 OF 18 REGISTRY COPYRIGHT 2005 ACS on STN
RN **675831-60-4** REGISTRY
ED Entered STN: 16 Apr 2004
CN 1H-Indole-5-carbonitrile, 3-[3-[[[(2S)-2,3-dihydro-8-methoxy-1,4-

benzodioxin-2-yl]methyl]amino]cyclopentyl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C25 H27 N3 O3 . Cl H
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (675831-59-1)

Absolute stereochemistry.



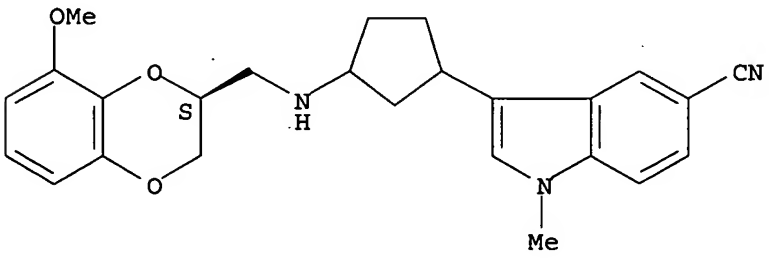
● HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:287394

L16 ANSWER 6 OF 18 REGISTRY COPYRIGHT 2005 ACS on STN
RN **675831-59-1** REGISTRY
ED Entered STN: 16 Apr 2004
CN 1H-Indole-5-carbonitrile, 3-[3-[[[(2S)-2,3-dihydro-8-methoxy-1,4-benzodioxin-2-yl]methyl]amino]cyclopentyl]-1-methyl- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C25 H27 N3 O3
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



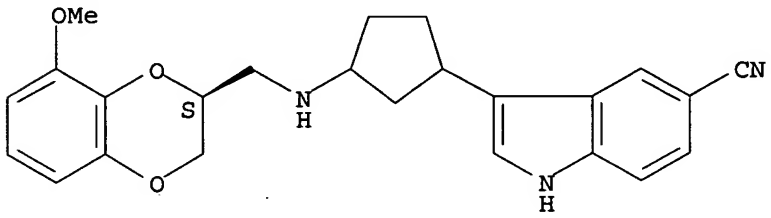
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:287394

L16 ANSWER 7 OF 18 REGISTRY COPYRIGHT 2005 ACS on STN
RN **675831-58-0** REGISTRY
ED Entered STN: 16 Apr 2004
CN 1H-Indole-5-carbonitrile, 3-[3-[[[(2S)-2,3-dihydro-8-methoxy-1,4-benzodioxin-2-yl]methyl]amino]cyclopentyl]-, monohydrochloride (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C24 H25 N3 O3 . Cl H
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (675831-57-9)

Absolute stereochemistry.



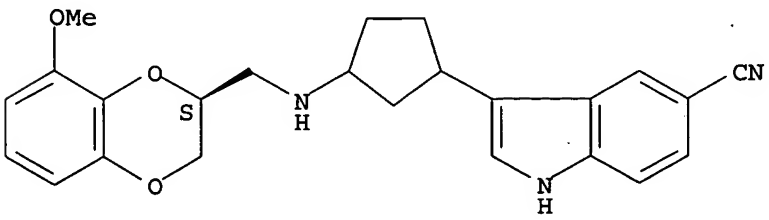
● HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:287394

L16 ANSWER 8 OF 18 REGISTRY COPYRIGHT 2005 ACS on STN
RN **675831-57-9** REGISTRY
ED Entered STN: 16 Apr 2004
CN 1H-Indole-5-carbonitrile, 3-[3-[[[(2S)-2,3-dihydro-8-methoxy-1,4-benzodioxin-2-yl]methyl]amino]cyclopentyl]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C24 H25 N3 O3
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



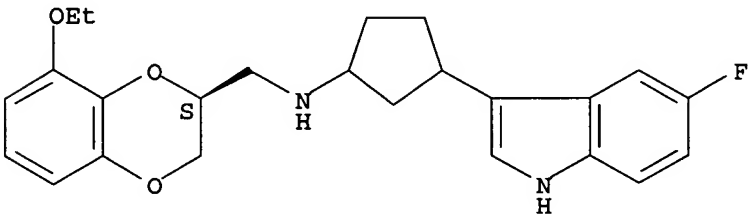
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:287394

L16 ANSWER 9 OF 18 REGISTRY COPYRIGHT 2005 ACS on STN
RN **675831-56-8** REGISTRY
ED Entered STN: 16 Apr 2004
CN 1,4-Benzodioxin-2-methanamine, 8-ethoxy-N-[3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-, monohydrochloride, (2S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C24 H27 F N2 O3 . Cl H
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (675831-76-2)

Absolute stereochemistry.



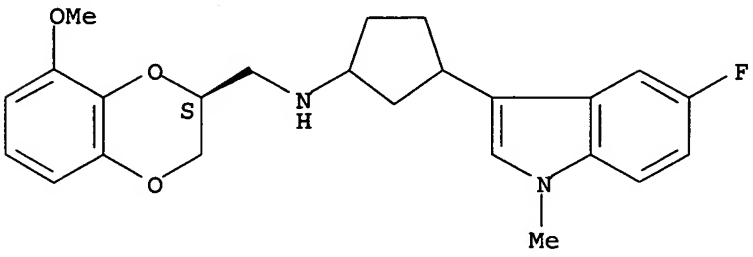
● HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:287394

L16 ANSWER 10 OF 18 REGISTRY COPYRIGHT 2005 ACS on STN
RN **675831-55-7** REGISTRY
ED Entered STN: 16 Apr 2004
CN 1,4-Benzodioxin-2-methanamine, N-[3-(5-fluoro-1-methyl-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, monohydrochloride, (2S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C24 H27 F N2 O3 . Cl H
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (675831-75-1)

Absolute stereochemistry.



● HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

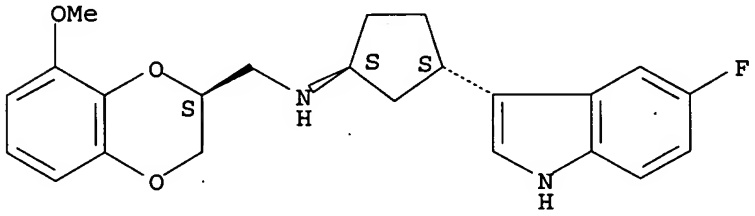
REFERENCE 1: 140:287394

L16 ANSWER 11 OF 18 REGISTRY COPYRIGHT 2005 ACS on STN
RN **675831-54-6** REGISTRY
ED Entered STN: 16 Apr 2004
CN 1,4-Benzodioxin-2-methanamine, N-[(1S,3S)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, (2S)-, (2E)-2-butenedioate (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C23 H25 F N2 O3 . x C4 H4 O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

CM 1

CRN 675831-52-4
CMF C23 H25 F N2 O3

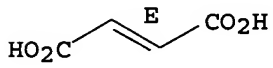
Absolute stereochemistry.



CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.

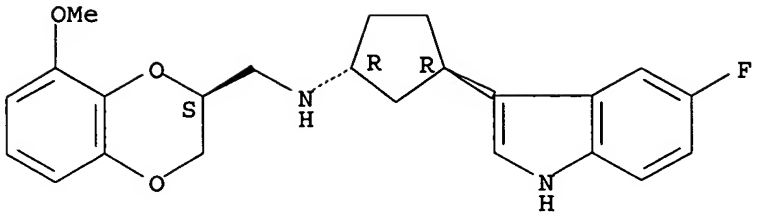


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:287394

L16 ANSWER 12 OF 18 REGISTRY COPYRIGHT 2005 ACS on STN
RN **675831-53-5** REGISTRY
ED Entered STN: 16 Apr 2004
CN 1,4-Benzodioxin-2-methanamine, N-[(1R,3R)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, hydrochloride, (2S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C23 H25 F N2 O3 . x Cl H
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (675831-51-3)

Absolute stereochemistry. Rotation (-).



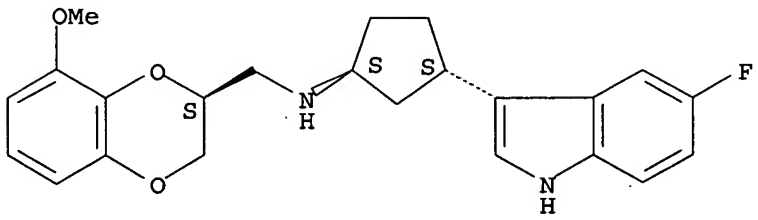
●x HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:287394

L16 ANSWER 13 OF 18 REGISTRY COPYRIGHT 2005 ACS on STN
RN **675831-52-4** REGISTRY
ED Entered STN: 16 Apr 2004
CN 1,4-Benzodioxin-2-methanamine, N-[(1S,3S)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, (2S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C23 H25 F N2 O3
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



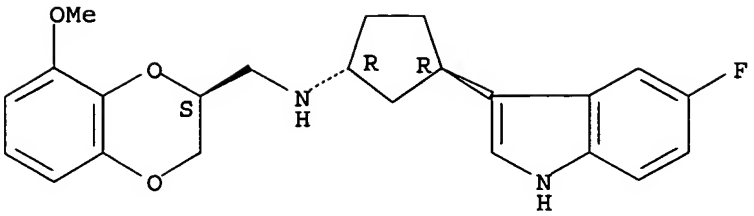
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:287394

L16 ANSWER 14 OF 18 REGISTRY COPYRIGHT 2005 ACS on STN
RN **675831-51-3** REGISTRY
ED Entered STN: 16 Apr 2004
CN 1,4-Benzodioxin-2-methanamine, N-[(1R,3R)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, (2S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C23 H25 F N2 O3
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry. Rotation (-).



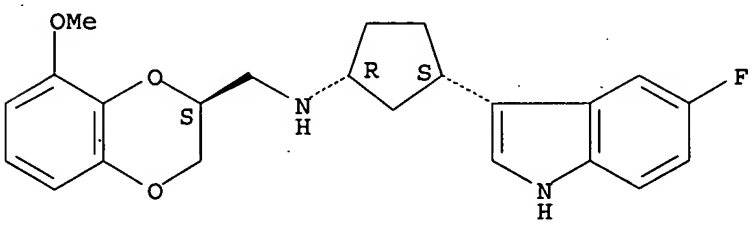
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:287394

L16 ANSWER 15 OF 18 REGISTRY COPYRIGHT 2005 ACS on STN
RN **675831-50-2** REGISTRY
ED Entered STN: 16 Apr 2004
CN 1,4-Benzodioxin-2-methanamine, N-[(1R,3S)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, monohydrochloride, (2S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C23 H25 F N2 O3 . Cl H
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (675831-48-8)

Absolute stereochemistry. Rotation (-).



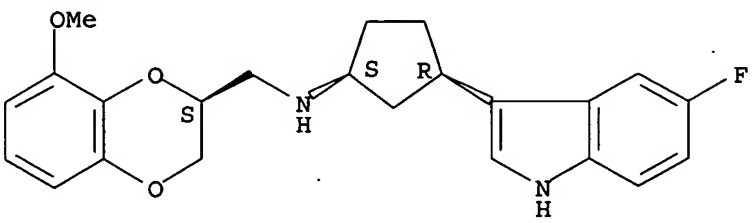
● HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:287394

L16 ANSWER 16 OF 18 REGISTRY COPYRIGHT 2005 ACS on STN
RN **675831-49-9** REGISTRY
ED Entered STN: 16 Apr 2004
CN 1,4-Benzodioxin-2-methanamine, N-[(1S,3R)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, monohydrochloride, (2S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C23 H25 F N2 O3 . Cl H
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (675831-47-7)

Absolute stereochemistry. Rotation (-).



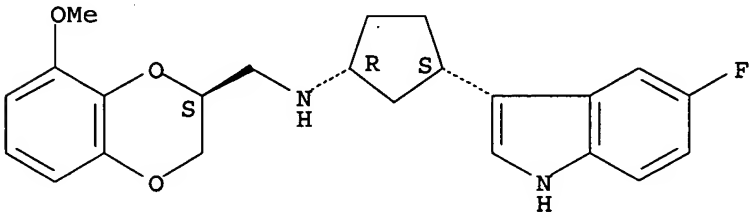
● HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:287394

L16 ANSWER 17 OF 18 REGISTRY COPYRIGHT 2005 ACS on STN
RN **675831-48-8** REGISTRY
ED Entered STN: 16 Apr 2004
CN 1,4-Benzodioxin-2-methanamine, N-[(1R,3S)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, (2S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C23 H25 F N2 O3
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry. Rotation (-).



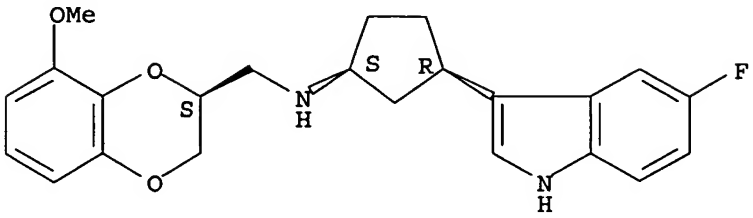
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:287394

L16 ANSWER 18 OF 18 REGISTRY COPYRIGHT 2005 ACS on STN
RN **675831-47-7** REGISTRY
ED Entered STN: 16 Apr 2004
CN 1,4-Benzodioxin-2-methanamine, N-[(1S,3R)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, (2S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C23 H25 F N2 O3
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:287394

=> fil uspatall
FILE 'USPATFULL' ENTERED AT 13:49:57 ON 16 MAY 2005
CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 13:49:57 ON 16 MAY 2005
CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

=> d bib abs hitstr

L21 ANSWER 1 OF 1 USPATFULL on STN
AN 2004:166053 USPATFULL
TI Antidepressant cycloalkylamine derivatives of 2,3-dihydro-1,4-benzodioxan
IN Evrard, Deborah Ann, Hamilton Square, NJ, UNITED STATES
Shah, Uresh Shantilal, Cranbury, NJ, UNITED STATES
Stack, Gary Paul, Ambler, PA, UNITED STATES
PI US 2004127543 A1 20040701
AI US 2003-659193 A1 20030910 (10)
PRAI US 2002-410169P 20020912 (60)
DT Utility
FS APPLICATION
LREP WOODCOCK WASHBURN LLP, ONE LIBERTY PLACE, 46TH FLOOR, 1650 MARKET STREET, PHILADELPHIA, PA, 19103
CLMN Number of Claims: 31
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 920
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Compounds of the Formula I: ##STR1##

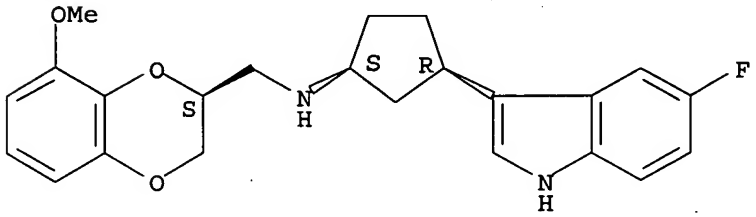
are useful for the treatment of depression (including but not limited to major depressive disorder, childhood depression and dysthymia), anxiety, panic disorder, post-traumatic stress disorder, premenstrual dysphoric disorder (also known as pre-menstrual syndrome), attention deficit disorder (with and without hyperactivity), obsessive compulsive disorder, social anxiety disorder, generalized anxiety disorder, obesity, eating disorders such as anorexia nervosa and bulimia nervosa, vasomotor flushing, cocaine and alcohol addiction, sexual dysfunction and related illnesses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **675831-47-7P 675831-48-8P 675831-49-9P**
675831-50-2P 675831-51-3P 675831-52-4P
675831-53-5P 675831-54-6P 675831-55-7P
675831-56-8P 675831-57-9P 675831-58-0P
675831-59-1P 675831-60-4P 675831-75-1P
675831-76-2P
(preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)

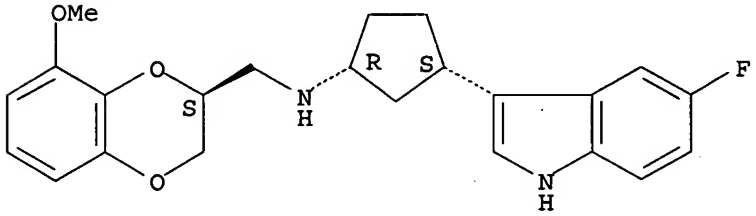
RN 675831-47-7 USPATFULL
CN 1,4-Benzodioxin-2-methanamine, N-[(1S,3R)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



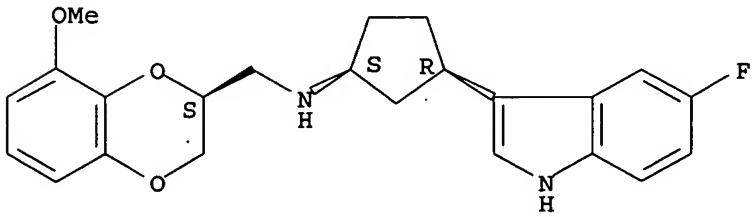
RN 675831-48-8 USPATFULL
CN 1,4-Benzodioxin-2-methanamine, N-[(1R,3S)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 675831-49-9 USPATFULL
CN 1,4-Benzodioxin-2-methanamine, N-[(1S,3R)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, monohydrochloride, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

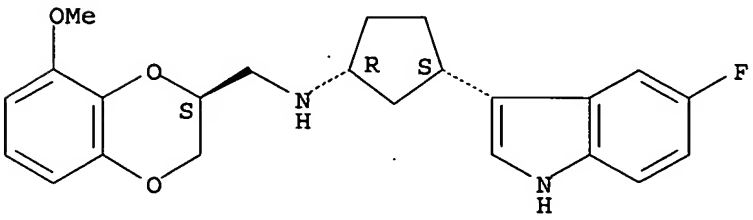


● HCl

RN 675831-50-2 USPATFULL
CN 1,4-Benzodioxin-2-methanamine, N-[(1R,3S)-3-(5-fluoro-1H-indol-3-

yl)cyclopentyl]-2,3-dihydro-8-methoxy-, monohydrochloride, (2S)- (9CI) (CA INDEX NAME)

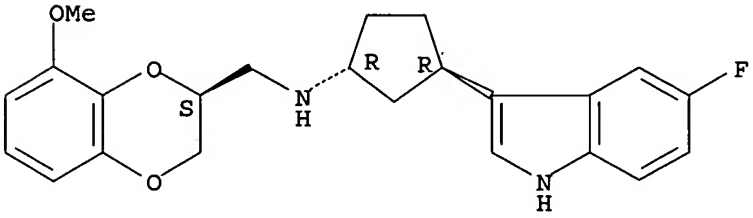
Absolute stereochemistry. Rotation (-).



● HCl

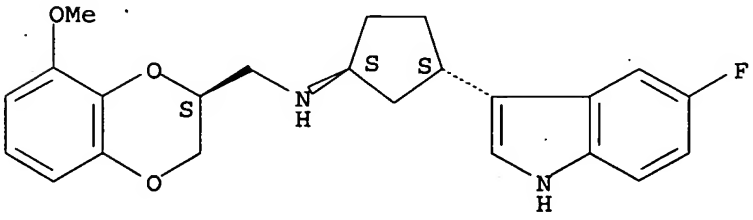
RN 675831-51-3 USPATFULL
CN 1,4-Benzodioxin-2-methanamine, N-[(1R,3R)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



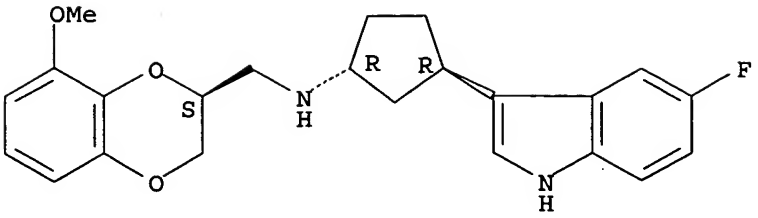
RN 675831-52-4 USPATFULL
CN 1,4-Benzodioxin-2-methanamine, N-[(1S,3S)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 675831-53-5 USPATFULL
CN 1,4-Benzodioxin-2-methanamine, N-[(1R,3R)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, hydrochloride, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



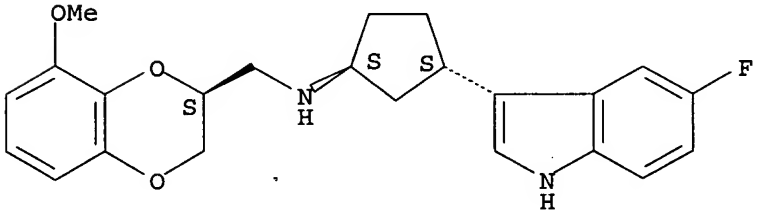
●x HCl

RN 675831-54-6 USPATFULL
CN 1,4-Benzodioxin-2-methanamine, N-[(1S,3S)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, (2S)-, (2E)-2-butenedioate (9CI) (CA INDEX NAME)

CM 1

CRN 675831-52-4
CMF C23 H25 F N2 O3

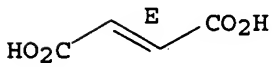
Absolute stereochemistry.



CM 2

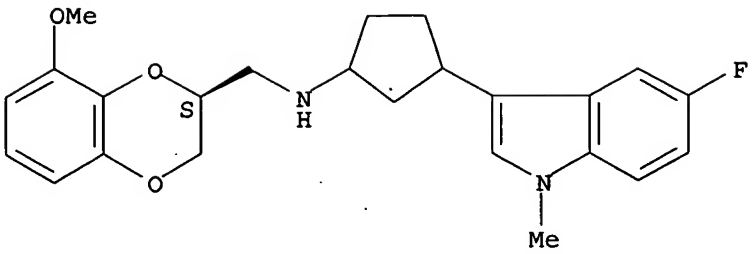
CRN 110-17-8
CMF C4 H4 O4
CDES 2:E

Double bond geometry as shown.



RN 675831-55-7 USPATFULL
CN 1,4-Benzodioxin-2-methanamine, N-[3-(5-fluoro-1-methyl-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, monohydrochloride, (2S)- (9CI) (CA INDEX NAME)

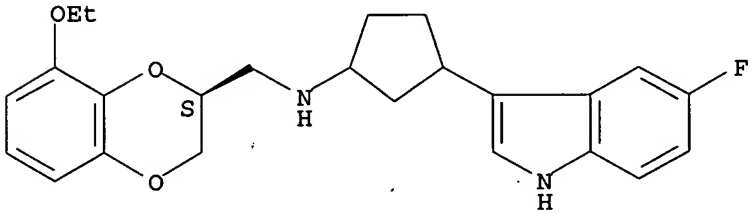
Absolute stereochemistry.



● HCl

RN 675831-56-8 USPATFULL
CN 1,4-Benzodioxin-2-methanamine, 8-ethoxy-N-[3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-, monohydrochloride, (2S)- (9CI) (CA INDEX NAME)

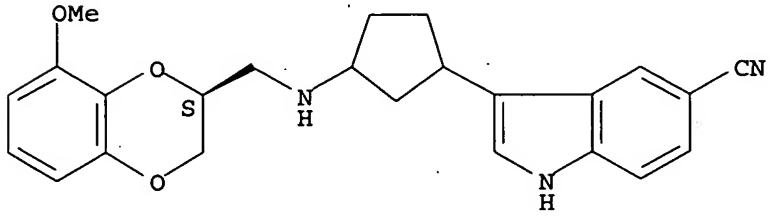
Absolute stereochemistry.



● HCl

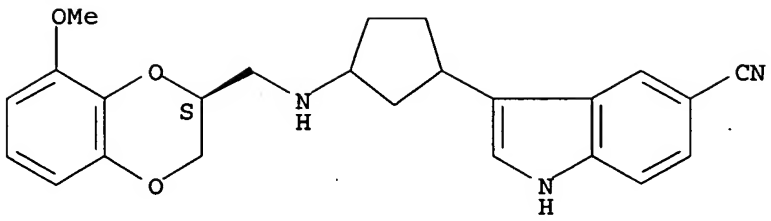
RN 675831-57-9 USPATFULL
CN 1H-Indole-5-carbonitrile, 3-[3-[[[(2S)-2,3-dihydro-8-methoxy-1,4-benzodioxin-2-yl]methyl]amino]cyclopentyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 675831-58-0 USPATFULL
CN 1H-Indole-5-carbonitrile, 3-[3-[[[(2S)-2,3-dihydro-8-methoxy-1,4-benzodioxin-2-yl]methyl]amino]cyclopentyl]-, monohydrochloride (9CI) (CA INDEX NAME)

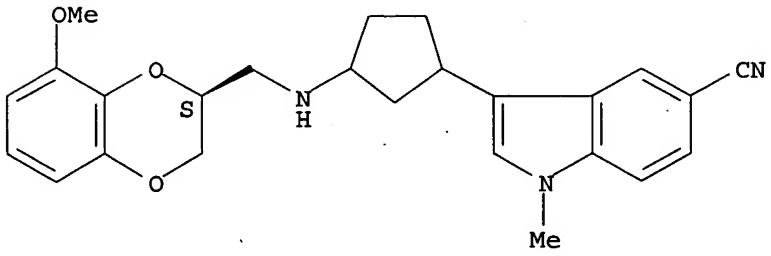
Absolute stereochemistry.



● HCl

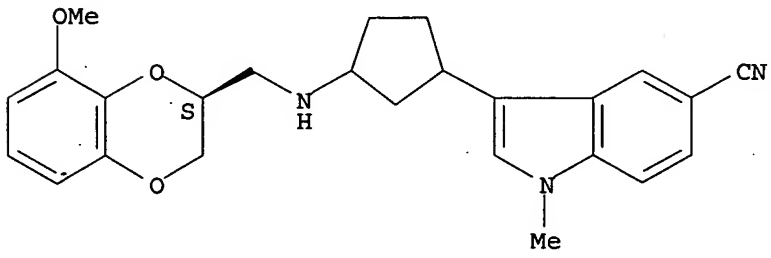
RN 675831-59-1 USPATFULL
CN 1H-Indole-5-carbonitrile, 3-[3-[[[(2S)-2,3-dihydro-8-methoxy-1,4-benzodioxin-2-yl]methyl]amino]cyclopentyl]-1-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 675831-60-4 USPATFULL
CN 1H-Indole-5-carbonitrile, 3-[3-[[[(2S)-2,3-dihydro-8-methoxy-1,4-benzodioxin-2-yl]methyl]amino]cyclopentyl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

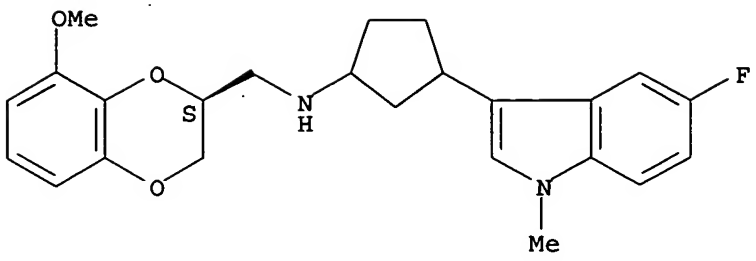
Absolute stereochemistry.



● HCl

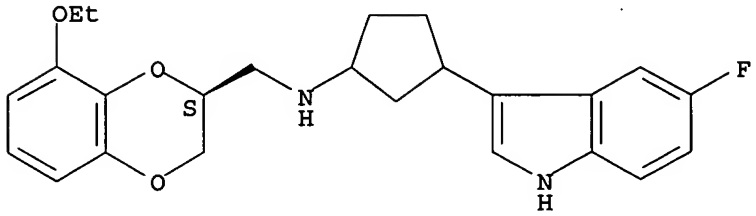
RN 675831-75-1 USPATFULL
CN 1,4-Benzodioxin-2-methanamine, N-[3-(5-fluoro-1-methyl-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 675831-76-2 USPATFULL
CN 1,4-Benzodioxin-2-methanamine, 8-ethoxy-N-[3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



=> fil hcaplus
FILE 'HCAPLUS' ENTERED AT 13:50:06 ON 16 MAY 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1907 - 16 May 2005 VOL 142 ISS 21
FILE LAST UPDATED: 15 May 2005 (20050515/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d all hitstr tot l20

L20 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2005:86370 HCAPLUS
DN 142:309195
ED Entered STN: 01 Feb 2005
TI Studies towards the next generation of antidepressants. Part 4: Derivatives of 4-(5-fluoro-1H-indol-3-yl)cyclohexylamine with affinity for

the serotonin transporter and the 5-HT1A receptor

AU **Evrard, Deborah A.**; Zhou, Ping; Yi, Soo Y.; Zhou, Dahui; Smith, Deborah L.; Sullivan, Kelly M.; Hornby, Geoffrey A.; Schechter, Lee E.; Andree, Terrance H.; Mewshaw, Richard E.

CS Chemical and Screening Sciences, **Wyeth** Research, Princeton, NJ, 08543, USA

SO Bioorganic & Medicinal Chemistry Letters (2005), 15(4), 911-914
CODEN: BMCLE8; ISSN: 0960-894X

PB Elsevier B.V.

DT Journal

LA English

CC 1-3 (Pharmacology)
Section cross-reference(s): 28

AB Derivs. of the serotonin reuptake inhibitor 4-(5-fluoro-1H-indol-3-yl)cyclohexylamine, in which serotonin 1A (5-HT1A) receptor pharmacophoric elements are incorporated, are reported. Analogs exhibiting affinity for both the serotonin transporter and the 5-HT1A receptor are described. Compds. containing 1-(4-indolyl)piperazine and 2-(1H-indol-4-yloxy)ethylamine are promising leads for further SAR studies.

ST fluoroindolyl cyclohexylamine prepn antidepressant serotonin transporter SAR

IT 246027-95-2P 246027-97-4P 246028-03-5P 246028-05-7P 246028-11-5P 246028-14-8P 282543-73-1P 282543-75-3P 282544-29-0P 282544-48-3P 282544-50-7P 848072-01-5P **848072-02-6P 848072-03-7P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Studies towards the next generation of antidepressants, derivs. of cyclohexylamine with affinity for the serotonin transporter)

IT 100-46-9, Benzylamine, reactions 631-61-8, Ammonium acetate 1094-91-3, 2-Tosyloxymethyl-1,4-benzodioxane 1836-62-0 32604-73-2 35386-24-4 84807-09-0 98224-03-4 185383-64-6 246028-97-7
RL: RCT (Reactant); RACT (Reactant or reagent)
(Studies towards the next generation of antidepressants, derivs. of cyclohexylamine with affinity for the serotonin transporter)

IT 246029-23-2P 246029-24-3P 369365-50-4P 675879-60-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(Studies towards the next generation of antidepressants, derivs. of cyclohexylamine with affinity for the serotonin transporter)

RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD

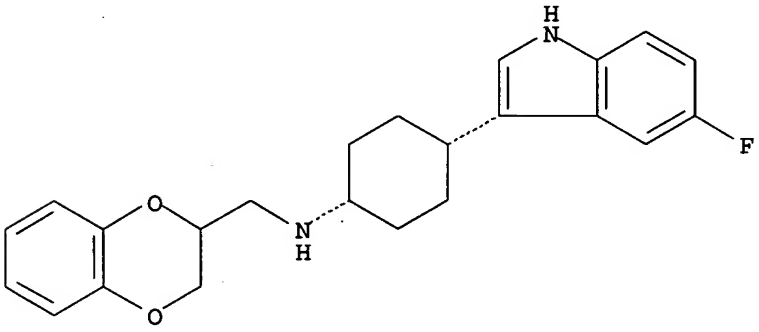
RE
(1) Artigas, F; Trends Neurosci 1996, V19, P378 HCAPLUS
(2) Blackwell, B; Drugs 1981, V21, P201 HCAPLUS
(3) Blier, P; J Clin Psychiatry 1998, V59(Suppl 5), P16
(4) Blier, P; J Clin Psychiatry 2001, V62(Suppl 15), P12
(5) Blier, P; J Clin Psychopharmacol 1995, V15, P217 MEDLINE
(6) Boy, K; Bioorg Med Chem Lett 2004, V14, P4467 HCAPLUS
(7) Cheetham, S; Neuropharmacology 1993, V32, P737 HCAPLUS
(8) Cheng, Y; Biochem Pharmacol 1973, V22, P3099 HCAPLUS
(9) Evrard, D; Annu Rep Med Chem 1999, V34, P1 HCAPLUS
(10) Gelenberg, A; J Clin Psychiatry 2000, V61, P712 HCAPLUS
(11) Hall, M; J Neurochem 1985, V44, P1685 HCAPLUS
(12) Hibert, M; J Med Chem 1988, V31, P1087 HCAPLUS
(13) Katz, M; Neuropsychopharmacology 2004, V29, P566 HCAPLUS
(14) Kerrigan, F; Tetrahedron Lett 1998, V39, P2219 HCAPLUS
(15) Kreiss, D; J Pharmacol Exp Ther 1995, V274, P866 HCAPLUS
(16) Lazareno, S; Br J Pharmacol 1993, V109, P1120 HCAPLUS
(17) Martinez, J; Eur J Med Chem 2001, V36, P55 HCAPLUS
(18) Martinez-Esparza, J; J Med Chem 2001, V44, P418 HCAPLUS
(19) Meagher, K; Bioorg Med Chem Lett 2001, V11, P1885 HCAPLUS
(20) Mewshaw, R; Bioorg Med Chem Lett 1998, V8, P295 HCAPLUS
(21) Mewshaw, R; Bioorg Med Chem Lett 2002, V12, P307 HCAPLUS

(22) Mewshaw, R; J Med Chem 2004, V47, P3823 HCAPLUS
(23) Oficialdegui, A; Farmaco 2000, V55, P345 HCAPLUS
(24) Orus, L; J Med Chem 2002, V45, P4128 HCAPLUS
(25) Perez, M; Bioorg Med Chem Lett 1998, V8, P3423 HCAPLUS
(26) Rocco, V; Bioorg Med Chem Lett 2004, V14, P2653 HCAPLUS
(27) Romero, L; J Neurochem 1997, V68, P2593 HCAPLUS
(28) Romero, L; Neurosci Lett 1996, V219, P123 HCAPLUS
(29) Scuvee-Moreau, J; Eur J Pharmacol 1979, V57, P219 HCAPLUS
(30) Takeuchi, K; Bioorg Med Chem Lett 2003, V13, P1903 HCAPLUS
(31) Takeuchi, K; Bioorg Med Chem Lett 2003, V13, P2393 HCAPLUS
(32) Takeuchi, K; Bioorg Med Chem Lett 2003, V13, P3939 HCAPLUS
(33) van Niel, M; Bioorg Med Chem Lett 1999, V9, P3243 HCAPLUS

IT **848072-02-6P 848072-03-7P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Studies towards the next generation of antidepressants, derivs. of cyclohexylamine with affinity for the serotonin transporter)

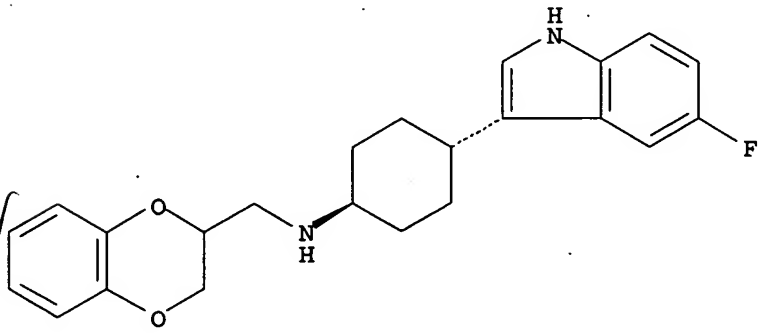
RN 848072-02-6 HCAPLUS
CN 1,4-Benzodioxin-2-methanamine, N-[cis-4-(5-fluoro-1H-indol-3-yl)cyclohexyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 848072-03-7 HCAPLUS
CN 1,4-Benzodioxin-2-methanamine, N-[trans-4-(5-fluoro-1H-indol-3-yl)cyclohexyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L20 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:252509 HCAPLUS
DN 140:287394
ED Entered STN: 26 Mar 2004

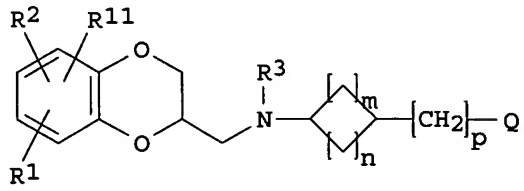
TI Preparation of antidepressant cycloalkylamine derivatives of 2,3-dihydro-1,4-benzodioxane
IN **Evrard, Deborah Ann; Shah, Uresh Shantilal; Stack, Gary Paul**
PA **Wyeth, John, and Brother Ltd., USA**
SO PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM C07D405-12
ICS A61K031-40; A61P025-24
CC 28-11 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 1, 63
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004024723	A1	20040325	WO 2003-US28296	20030911 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004127543	A1	20040701	US 2003-659193	20030910 <--
PRAI US 2002-410169P	P	20020912 <--		

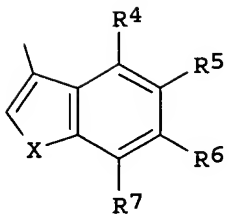
CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2004024723	ICM	C07D405-12
	ICS	A61K031-40; A61P025-24
US 2004127543	NCL	514/414.000; 514/443.000; 514/452.000; 548/454.000; 549/049.000; 549/358.000
	ECLA	C07D405/12+319+209C <--

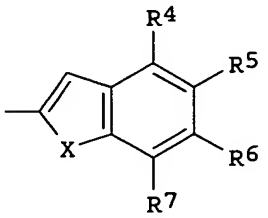
OS MARPAT 140:287394
GI



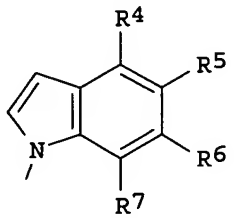
I



II



III



IV

AB The title compds. [I; R11, R1, R2 = H, halo, CN, carboxamido, etc.; R3 = H, alkyl; m = 1-3; n = 1-2; p = 0-3 (with the proviso that when p = 0, both m and n may not be 2); Q = II-IV (R4-R7 = H, halo, CN, etc.; X = NR8, O, S; R8 = H, alkyl)], useful for the treatment of depression (including but not limited to major depressive disorder, childhood depression and dysthymia), anxiety, panic disorder, post-traumatic stress disorder, premenstrual dysphoric disorder (also known as premenstrual syndrome), attention deficit disorder (with and without hyperactivity), obsessive compulsive disorder, social anxiety disorder, generalized anxiety disorder, obesity, eating disorders such as anorexia nervosa and bulimia nervosa, vasomotor flushing, cocaine and alc. addiction, sexual dysfunction and related illnesses, were prepared Thus, reacting [(2R)-8-methoxy-2,3-dihydro-1,4-benzodioxin-2-yl]methyl 4-methylbenzenesulfonate with cis-3-(5-fluoro-1H-indol-3-yl)cyclopentylamine (preparation given) in DMSO afforded 48% N-[(cis)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-N-{[(2S)-8-methoxy-2,3-dihydro-1,4-benzodioxin-2-yl]methyl}amine. The latter was separated into two diastereoisomers and biol. data (5-HT transporter affinity, 5-HT1A receptor affinity, and antagonistic activity at 5-HT1A receptors were tested) were given for the mixture and both separated isomers. The pharmaceutical composition comprising the compound I is claimed.

ST antidepressant cycloalkylamine benzodioxane prepn serotonin 5HT1A antagonist; indolylcyclopentylaminomethyl benzodioxane prepn serotonin transporter anxiolytic antiobesity eating disorder; cyclopentylaminomethyl indolyl benzodioxane prepn antidepressant anxiolytic antiobesity eating disorder

IT 5-HT antagonists
(5-HT1A; preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)

IT Appetite
(anorexia nervosa, treatment of; preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)

IT Mental disorder
(attention deficit disorder, treatment of; preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)

IT Appetite
(bulimia, treatment of; preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)

IT Drug dependence
(cocaine addiction; preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)

IT Mental disorder
(depression, treatment of; preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)

IT Menopause
(disorder, hot flash, treatment of; preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)

IT Appetite
Sexual behavior
(disorder, treatment of; preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)

IT Anxiety
(generalized, treatment of; preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)

IT Mental disorder
(neurotic depression, treatment of; preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)

IT Mental disorder
(obsession-compulsion, treatment of; preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)

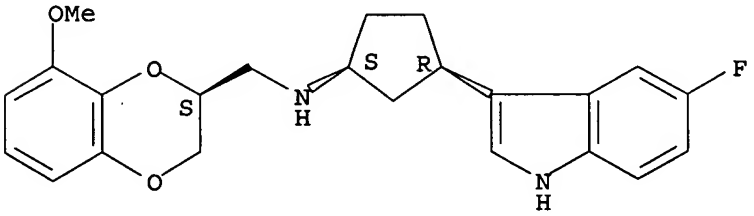
IT Anxiety
(panic disorder, treatment of; preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)

IT Mental disorder
(post-traumatic stress disorder, treatment of; preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)
IT Ovarian cycle
(premenstrual syndrome, treatment of; preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)
IT Antidepressants
Antiobesity agents
Anxiolytics
Appetite depressants
Human
(preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)
IT Transport proteins
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(serotonin transporter; preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)
IT Anxiety
(social, treatment of; preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)
IT Alcoholism
Anxiety
Obesity
(treatment of; preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)
IT **675831-47-7P 675831-48-8P 675831-49-9P**
675831-50-2P 675831-51-3P 675831-52-4P
675831-53-5P 675831-54-6P 675831-55-7P
675831-56-8P 675831-57-9P 675831-58-0P
675831-59-1P 675831-60-4P 675831-75-1P
675831-76-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)
IT 100-46-9, Benzylamine, reactions 399-52-0, 5-Fluoroindole 930-30-3, 2-Cyclopenten-1-one 15861-24-2, 5-Cyanoindole 329966-21-4 473968-96-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)
IT 675831-61-5P 675831-62-6P 675831-63-7P, 3-(5-Fluoro-1H-indol-3-yl)cyclopentanone 675831-64-8P, 3-(3-Oxocyclopentyl)-1H-indole-5-carbonitrile 675831-65-9P, 3-(5-Fluoro-1-methyl-1H-indol-3-yl)cyclopentanone 675831-66-0P, 1-Methyl-3-(3-oxocyclopentyl)-1H-indole-5-carbonitrile 675831-67-1P 675831-68-2P 675831-69-3P 675831-70-6P 675831-71-7P 675831-72-8P 675831-73-9P 675831-74-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) American Home Prod; WO 9951592 A 1999 HCAPLUS
(2) Cipollina, J; US 5468767 A 1995 HCAPLUS
(3) Cipollina, J; US 5607961 A 1997 HCAPLUS
IT **675831-47-7P 675831-48-8P 675831-49-9P**
675831-50-2P 675831-51-3P 675831-52-4P
675831-53-5P 675831-54-6P 675831-55-7P
675831-56-8P 675831-57-9P 675831-58-0P
675831-59-1P 675831-60-4P 675831-75-1P
675831-76-2P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of antidepressant cycloalkylamine derivs. of 2,3-dihydro-1,4-benzodioxane)

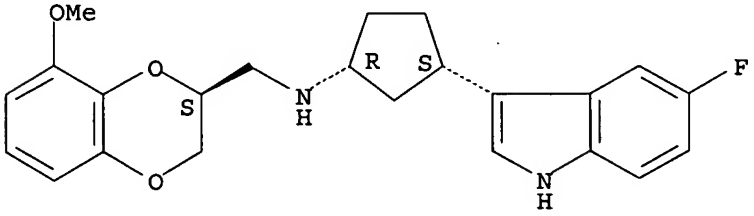
RN 675831-47-7 HCAPLUS
CN 1,4-Benzodioxin-2-methanamine, N-[(1S,3R)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



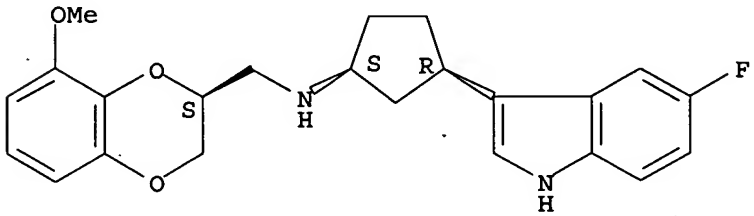
RN 675831-48-8 HCAPLUS
CN 1,4-Benzodioxin-2-methanamine, N-[(1R,3S)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 675831-49-9 HCAPLUS
CN 1,4-Benzodioxin-2-methanamine, N-[(1S,3R)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, monohydrochloride, (2S)- (9CI) (CA INDEX NAME)

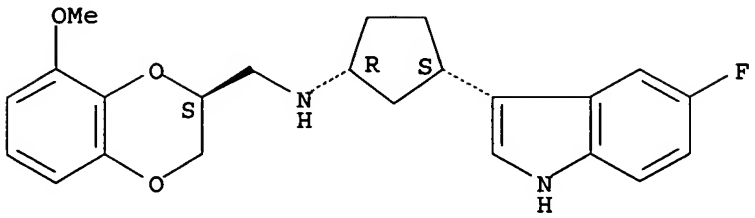
Absolute stereochemistry. Rotation (-).



● HCl

RN 675831-50-2 HCAPLUS
CN 1,4-Benzodioxin-2-methanamine, N-[(1R,3S)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, monohydrochloride, (2S)- (9CI) (CA INDEX NAME)

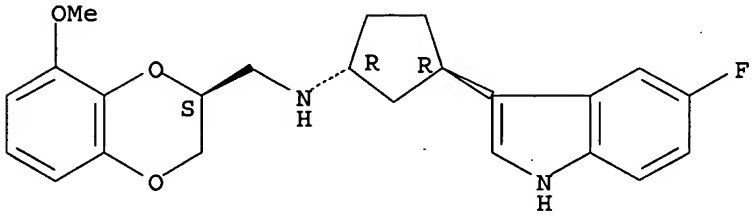
Absolute stereochemistry. Rotation (-).



● HCl

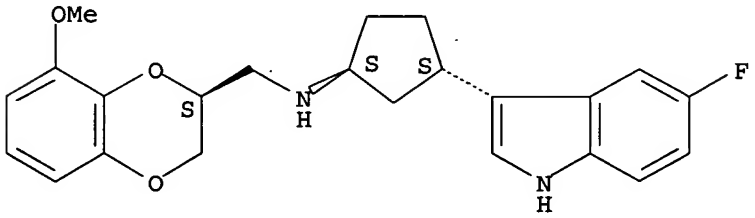
RN 675831-51-3 HCAPLUS
CN 1,4-Benzodioxin-2-methanamine, N-[(1R,3R)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



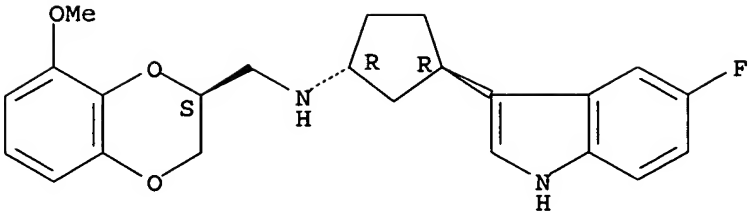
RN 675831-52-4 HCAPLUS
CN 1,4-Benzodioxin-2-methanamine, N-[(1S,3S)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 675831-53-5 HCAPLUS
CN 1,4-Benzodioxin-2-methanamine, N-[(1R,3R)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, hydrochloride, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



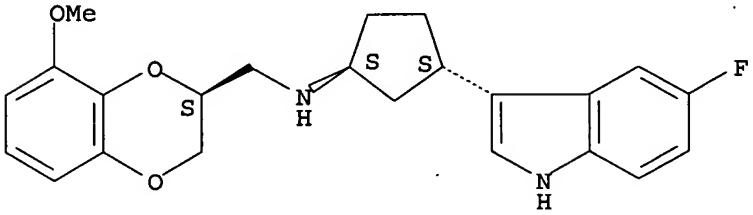
●x HCl

RN 675831-54-6 HCAPLUS
CN 1,4-Benzodioxin-2-methanamine, N-[(1S,3S)-3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, (2S)-, (2E)-2-butenedioate (9CI) (CA INDEX NAME)

CM 1

CRN 675831-52-4
CMF C23 H25 F N2 O3

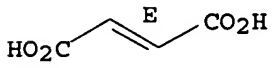
Absolute stereochemistry.



CM 2

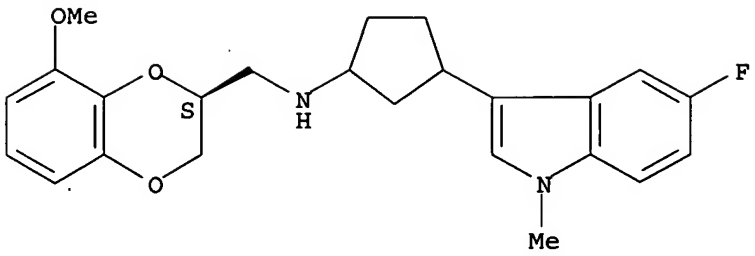
CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



RN 675831-55-7 HCAPLUS
CN 1,4-Benzodioxin-2-methanamine, N-[3-(5-fluoro-1-methyl-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, monohydrochloride, (2S)- (9CI) (CA INDEX NAME)

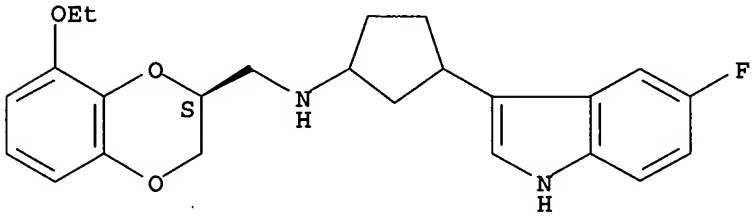
Absolute stereochemistry.



● HCl

RN 675831-56-8 HCAPLUS
CN 1,4-Benzodioxin-2-methanamine, 8-ethoxy-N-[3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-, monohydrochloride, (2S)- (9CI) (CA INDEX NAME)

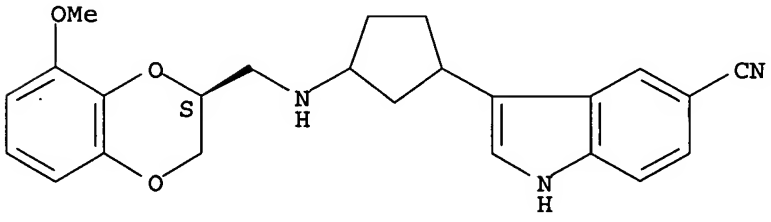
Absolute stereochemistry.



● HCl

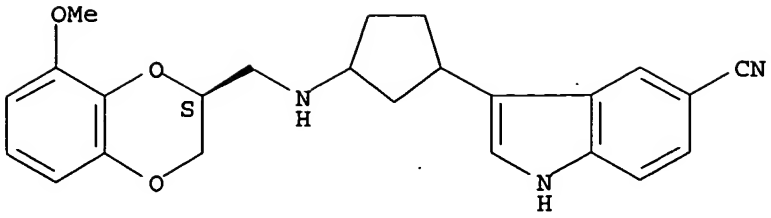
RN 675831-57-9 HCAPLUS
CN 1H-Indole-5-carbonitrile, 3-[3-[[[(2S)-2,3-dihydro-8-methoxy-1,4-benzodioxin-2-yl]methyl]amino]cyclopentyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 675831-58-0 HCAPLUS
CN 1H-Indole-5-carbonitrile, 3-[3-[[[(2S)-2,3-dihydro-8-methoxy-1,4-benzodioxin-2-yl]methyl]amino]cyclopentyl]-, monohydrochloride (9CI) (CA INDEX NAME)

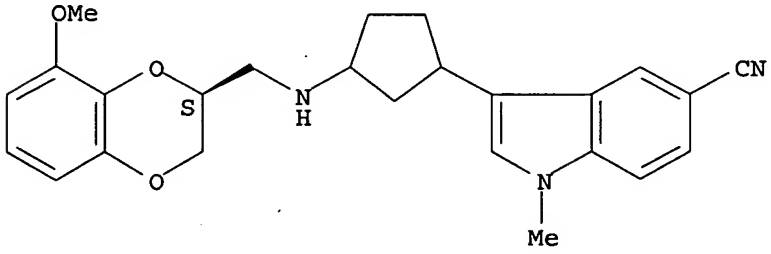
Absolute stereochemistry.



● HCl

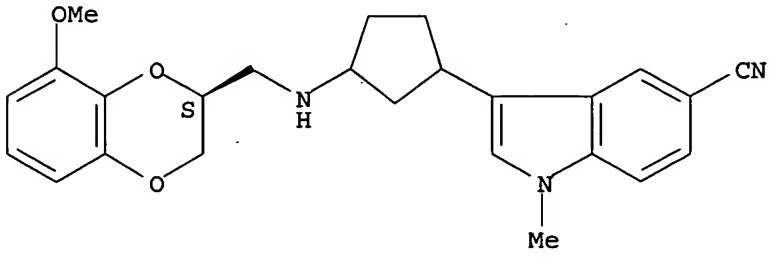
RN 675831-59-1 HCAPLUS
CN 1H-Indole-5-carbonitrile, 3-[3-[[[(2S)-2,3-dihydro-8-methoxy-1,4-benzodioxin-2-yl]methyl]amino]cyclopentyl]-1-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 675831-60-4 HCAPLUS
CN 1H-Indole-5-carbonitrile, 3-[3-[[[(2S)-2,3-dihydro-8-methoxy-1,4-benzodioxin-2-yl]methyl]amino]cyclopentyl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

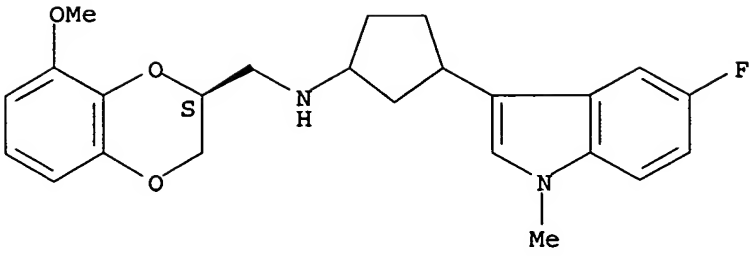
Absolute stereochemistry.



● HCl

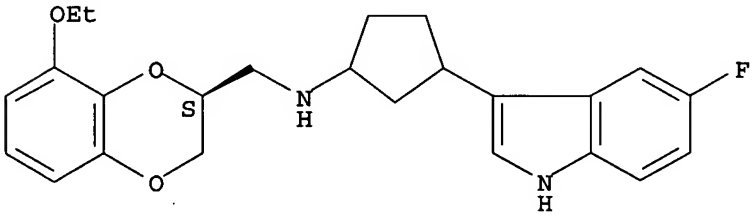
RN 675831-75-1 HCAPLUS
CN 1,4-Benzodioxin-2-methanamine, N-[3-(5-fluoro-1-methyl-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-8-methoxy-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 675831-76-2 HCAPLUS
CN 1,4-Benzodioxin-2-methanamine, 8-ethoxy-N-[3-(5-fluoro-1H-indol-3-yl)cyclopentyl]-2,3-dihydro-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



=>